

WHAT IS CLAIMED IS:

1. An image display device comprising: in an airtight container an electron source, an image display member; and a getter,

5 the image display member facing the electron source to receive electrons from the electron source, wherein the getter is obtained by stacking an evaporating getter and a non-evaporating getter in the airtight container.

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2. An image display device according to claim 1, wherein the getter is placed on the image display member.

15 3. An image display device according to claim 1, wherein the getter extends over a region of the image display member that receives the electrons.

20 4. An image display device according to claim 1, wherein the getter is constituted by placing first a non-evaporating getter on the getter placement face and then laying an evaporating getter on the non-evaporating getter.

25 5. An image display device according to claim 4, wherein the evaporating getter is thinner than the non-evaporating getter.

6. An image display device according to claim 1,
wherein the getter is constituted by placing first an
evaporating getter on the getter placement face and
then laying a non-evaporating getter on the
5 evaporating getter.

7. A method of manufacturing an image display
device, comprising the steps of:

stacking an evaporating getter and a non-
10 evaporating getter on an image display member of a
first substrate; and

sealing the first substrate which has the
getters and a second substrate which comprises an
electron source, in a vacuum atmosphere, while the
15 image display member and the electron source face
each other across a gap therebetween.

8. A method of manufacturing an image display
device according to claim 7, wherein the step of
20 stacking the evaporating getter and the non-
evaporating getter comprises a step of placing the
non-evaporating getter on the image display member
and a step of placing the evaporating getter on the
non-evaporating getter in a vacuum atmosphere.

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9. A method of manufacturing an image display
device according to claim 7, wherein the step of

stacking the evaporating getter and the non-
evaporating getter comprises a step of placing the
non-evaporating getter on the image display member
and a step of placing the evaporating getter on the
5 non-evaporating getter in a vacuum atmosphere after
the first substrate comprising the non-evaporating
getter is baked in a vacuum atmosphere.

10 10. A method of manufacturing an image display
device according to claim 7, wherein the step of
stacking the evaporating getter and the non-
evaporating getter comprises a step of placing the
non-evaporating getter on the image display member in
a vacuum atmosphere and a step of placing the
15 evaporating getter on the non-evaporating getter in a
vacuum atmosphere after the first substrate
comprising the non-evaporating getter is baked in a
vacuum atmosphere.

20 11. A method of manufacturing an image display
device according to claim 7, wherein the step of
stacking the evaporating getter and the non-
evaporating getter comprises a step of placing the
non-evaporating getter on the image display member in
25 a vacuum atmosphere after the first substrate is
baked in a vacuum atmosphere and a step of placing
the evaporating getter on the non-evaporating getter

in a vacuum atmosphere.

12. A method of manufacturing an image display device according to claim 7, wherein the step of
5 stacking the evaporating getter and the non-evaporating getter comprises a step of placing the evaporating getter on the image display member in a vacuum atmosphere after the first substrate is baked in a vacuum atmosphere and a step of placing the non-
10 evaporating getter on the evaporating getter in a vacuum atmosphere.

13. A method of manufacturing an image display device that comprises: in an airtight container, an
15 electron source and an image display member,
the electron source having a plurality of electron-emitting devices arranged in accordance with matrix wiring on a substrate,

the image display member having a fluorescent
20 film and opposing the substrate, the method comprising the steps of:

placing a non-evaporating getter on the image display member;

setting the substrate of the electron source,
25 the image display member on which the non-evaporating getter is placed, and a supporting frame in a vacuum atmosphere;

baking the substrate of the electron source,
the image display member, and the supporting frame in
a vacuum atmosphere; and

forming an evaporating getter on the non-
5 evaporating getter by flashing; and

sealing, by bonding the substrate of the
electron source and the image display member to each
other while the supporting frame is sandwiched
between the two, the airtight container.
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14. A method of manufacturing an image display
device according to claim 10, wherein the baking step
is a heat treatment step at a temperature set to
250°C or higher and 450°C or lower.

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15. A method of manufacturing an image display
device according to claim 13, wherein the baking step
doubles as a step of activating the non-evaporating
getter.

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16. A method of manufacturing an image display
device according to any one of claims 10 through 12,
wherein the flashing step of the evaporating getter
is performed at a temperature of 250°C or lower.

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17. A method of manufacturing an image display
device that comprises in an airtight container an

electron source and an image display member, the
electron source comprising a plurality of electron-
emitting devices arranged in accordance with matrix
wiring on a substrate, the image display member
5 comprising a fluorescent film and opposing the
substrate, the method comprising the steps of:
 setting the substrate of the electron source,
the image display member, and a supporting frame in a
vacuum atmosphere;
10 baking the substrate of the electron source,
the image display member, and the supporting frame in
a vacuum atmosphere; and
 sealing, by bonding the substrate of the
electron source and the image display member to each
15 other while the supporting frame is sandwiched
between the two, the airtight container,
 wherein a step of placing a non-evaporating
getter on the image display member in a vacuum
atmosphere and a step of forming an evaporating
20 getter on the non-evaporating getter by flashing are
put, at the latest, before the sealing step.

18. A method of manufacturing an image display
device according to claim 17, wherein the baking step
25 is performed at a temperature of 250°C or higher and
400°C or lower.

19. A method of manufacturing an image display device according to claim 17, wherein the flashing step of the evaporating getter is put, at the earliest, after the baking step.

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20. A method of manufacturing an image display device according to claim 17, wherein the flashing step of the evaporating getter is performed at a temperature of 250°C or lower.

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21. A method of manufacturing an image display device according to claim 17, wherein the non-evaporating getter mainly contains Ti.

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22. A method of manufacturing an image display device according to claim 17, wherein the evaporating getter mainly contains Ba.